Exhibit A

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                          10        20        30        40        50        60        70
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  --CGCTCTTACCTAGTAGAGGTTGA-GTGAATTTCTTGACTTGTTTCTCCTATTGGTGTATCTCTTAAAA
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  ---------AAATGCTTCTAGTCTAGGGGAACTTTTTC--TATTTCTACGAAGGGAGTGTCTT-----G
SEQ ID NO:15 09/376,770  TTGAAAAAAAGAGAGTTACGGCAGCTGTAAAGTTTTTAA--TATTGCTCCCTTTGTTCCATTTATGTAGC

                          80        90       100       110       120       130       140
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  TATTAAATTCAAAATCAAAGTATATATTTTACAATGAAGTCTTCTTTCCCCAAGTTTGTATTTTCTACAT
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  -----------GGGAACTTTTATTCGTTTTATTAAGTAAGATCGAGTATGGTATTGAGAAACGTTCTCGT
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  TCTAGAACTCCATAGGGAGAT-CGCACGCTAAA-TATGAGAATATAATATGAAGACTTCAGTTTCTATGT
SEQ ID NO:15 09/376,770  GTTCAGACTTTGCACTAAAACGAGGGTGTCATA-TGAGATCGTCTTTTTCCTTGTTATTAATATCTTCAT

                          150       160       170       180       190       200       210
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  TTGCTATTTTCCCTTTGTCTATGATTG---CTACCG-AGACAGTTTTGGATTCAAGT--GCGAGTTTCGA
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  AAAAGATGGTATTCTAGTAATTACAGTGAATTAAACGACATATGTTAGGTTTTCTTAAACGCTTCTTTGG
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  TGTTGGCCCTGCTTTGCTCGGGGGCTAGCTCTATTGTACTCCATGCCGCAACCACTCCACTAAATCCTGA
SEQ ID NO:15 09/376,770  CTCTAGCCTTTCCTCTCTTAATGAGTG---TTTCTGCAGATGCTGCCGATCTCACATTAGGGAGTCGTGA

                          220       230       240       250       260       270       280
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  TGGGAATAAAAATGGTA----------ATTTTTCAGTTCGTGAGAGTCAG-----GAAGATGCTGGAACT
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  TTCCTCTCAAGAGCGTATTCTAAAAAAATTTCAAAAACTTGTAGATAAAGTGAACATTTATGATGAAATG
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  AGATGGGTTTATTGGGGAGGGCAATACAAATACTTTTTCTCCGAAATCTACAACGGATGCTGCAGGAACT
SEQ ID NO:15 09/376,770  CAGTTATAATGGTGATACAAGCACCACAGAATTTACTCCTAAAGCGGCAACTTCTGATGCTAGTGGCACG

                          290       300       310       320       330       340       350
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  ACCTACCTATTTAAGGGAAATGTCACTCTAGAAAAATATTCCTGGAACAGGCACAGCAATCACAAAAAGCT
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  CTCACGCCTTTATCTGATGATGAATTGCGGAATAAGACTGCGGAATTAAAGCAGAGATATCAGAACGGAG
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  ACCTACTCTCTCACAGGAGAGGT---TCTGTATATAGATCCGGGGAAAGGTGGTTCAATTACAGGAACTT
SEQ ID NO:15 09/376,770  ACCTATATTCTCGATGGGGATGT--CTCGATAAGCCAAGCAGGGAA-ACAAACGAGCTTAACCACAAGTT

                          360       370       380       390       400       410       420
                     ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  GTTTTAACAACACTAAGGGCGATTTGACTTTCACAGGTAACGGGAACTCTCTATTGTTCCAAACGGTGGA
SEQ ID NO:1  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:3  09/376,770  AGTCTCTTGATAGCATGCTTCCTGAAGCTTATGGTGTCGTGAAAAACGTTTGTCGACGTTTAGCAGGCAC
SEQ ID NO:5  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:7  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:9  09/376,770  --------------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------------
SEQ ID NO:13 09/376,770  GCTTTGTAGAAACTGCTGGCGATCTTACATTTTTAGGTAATGGAAATACCCTAAAGTTCCTGTCGGTAGA
SEQ ID NO:15 09/376,770  GTTTTTCTAACACTGCAGGAAATCTTACCTTCTTAGGGAACGGATTTTCTCTTCATTTTGACAATATTAT
```
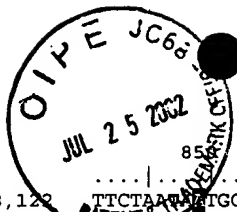
1

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                                           440       450       460       470       480       490
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   ...ACTGTAGCAGGGGCTGCTGTTAACAGCAGCGTGGTAGATAAATCTACCACGTTTATAGGGTTT
SEQ ID NO:1  09/376,770   ----------------------------------------------------------------
SEQ ID NO:3  09/376,770   CCCAGTCGAAGTCTCCGGATACCATCAAAGATGGGATATGGTTCCTTATGATGTGCAGATTCTAGGGGCC
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ----------------------------------------------------------------
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   TGCAGGTGCTAATATCGCGGTTGCTCAT----GTACAAGGAAGTAAGAATTTA--AGCTTCACAGATTTC
SEQ ID NO:15 09/376,770   TTCGTCTACTGTTGCAGGTGTTGTTGTTAGCAATACAGCAGCTTCTGGGATTACGAAATTCTCAGGATTT

                                           500       510       520       530       540       550       560
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   TCTTCGCTATCTTTTATTGCGTCTCCTGGAAGTTCGATAACTACCGGCAAAGGAGCCGTTAGCTGCTCTA
SEQ ID NO:1  09/376,770   ----------------------------------------------------------------
SEQ ID NO:3  09/376,770   ATTGCTATGCACAAGGGATTTATTACAGAGATGCAGACCGGGGAGGGGAAAACACTCACTGCAGTGATGC
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ----------------------------------------------------------------
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   CTTTCTCTGGTGATCACAGAATCTCCAAAATCCGCTGTTACTACAGGAAAAGGTAGC-CTAGTCAGTTTA
SEQ ID NO:15 09/376,770   TCAACTCTTCGGATGCTTGCAGCTCCTAGGA---------CCACAGGTAAAGGAGCCATTAAA---ATTA

                                           570       580       590       600       610       620       630
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   CGGGTAGCTTGA-GTTTGACAAAAAATGTCAGTTTGCTCTTCAGCAAAAACTTTTCAACGGATAATGGCG
SEQ ID NO:1  09/376,770   ----------------------------------------------------------------
SEQ ID NO:3  09/376,770   CTCTGTATTTAAATGCTTTAACAGGCAAGCCAGTGCATTTGGTTACTGTTAACGACTATCTTGCACAACG
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ----------------------------------------------------------------
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   GGTGCAGTCCAA--CTGCAAGATATAAACACTCTAGTTCTT-ACAAGCAATGCCTCTGTCGAAGATGGTG
SEQ ID NO:15 09/376,770   CCGATGGTCTGGTGTTTGAGAGTATAGGGAATCTTGATCTT-AATGAAAATGCCTCTAGTGAAAATGGGG

                                           640       650       660       670       680       690       700
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   GTGCTATCACCGCAAAAACTCTTTCATTAACAGGGACTACAATGTCAGCTCTGTTTTCTGAAAA--TACC
SEQ ID NO:1  09/376,770   ------------------------------------TAGGTCTTGTTAAAAAACTTCTTTGTCCCTATTT
SEQ ID NO:3  09/376,770   AGATTGTGAATGGGTAGGATCGGTACTGCGCTGGTTAGGACTTACAACGGGAGTTTTGGTTTCAGGAACT
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ----------------------------------------------------------------
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   GCGTGATTA--AAGGAAACTCCTGCTTGATTCAGGGAATCAAAAATAGTGCGATTTTTGGACAAAATACA
SEQ ID NO:15 09/376,770   GAGCCATCAATACGAAGACTTTGTCTTTGACTGGGAGTACGCGGTTTGTAGCGTTCCTTGGCAA--TAGC

                                           710       720       730       740       750       760       770
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   TCCTCAAAGAAAGGCGGAGCCATTCAGACTTCCGATGCCCTTACCATTACTGGAAACCAAGGGGAAG▉CT
SEQ ID NO:1  09/376,770   TTGTGCTTACCTCATTATCTGATAAACAAGCTTTCTATCTAGGGAAGACTCTTGGGAATGCTCATCA▉GC
SEQ ID NO:3  09/376,770   CTTTTAGAAAAGCGTAAGAAAATTTATCAATGTGATGTTGTCTATGGTACAGCATCTGAGTTTGGTT▉TG
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ------------------------------------AATCTACTTACGAAGCTATTGGAGAAAT▉CT
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   TCTTCGAAAAAAGGAGGGGCGATCTCCACGACTCAAGGACTTACCATAGAGAATAACTTAGGGACGC▉AA
SEQ ID NO:15 09/376,770   TCGTCGCAACAAGGGGGAGCGATCTATGCTTCTGGTGACTCTGTGATTTCTGAGAATGCAGGAATCT▉GA

                                           780       790       800       810       820       830       840
                                    ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   CTTTTTCTGACAATACTTCTTCGGATTCTGGAGCTGCAA------▉TTTTACAGAAGCCTCGGTGACTAT
SEQ ID NO:1  09/376,770   GAAATAAAGTTATCTTGCAAATATCTATTCTAGCGTTAA------▉CCAAACCCCTTTAACTTTATTTTC
SEQ ID NO:3  09/376,770   ATTATTTGAGAGATAATTCTATAGCTACTCGCCTTGAAGAGCAGG▉AGGTAGAGGATATTACTTTGCTAT
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------
SEQ ID NO:7  09/376,770   ACTCTATATCACTTCACTGAATGCGCAAAATCCTAATAA------▉AAAAATACTAACCAACCTGATCAT
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------
SEQ ID NO:13 09/376,770   AGTTCAATGAAAACAAAGCAGTGACCTCAGGAGGCGCCT------▉AGATTTAGGAGCCGCGTCTACATT
SEQ ID NO:15 09/376,770   GCTTCGGAAACAACAGTGCGACAACATCAGGAGGCGCGA------▉CTCTGCTGAAGGGAACCTTGTGAT
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2

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                          850      860       870       880       890       900       910
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   TTCTAAT AATGCTAAAGTTTCCTTTATTGACAA---TAAGGTCACAGG------AGCGAGCTCCT----C
SEQ ID NO:1  09/376,770   CATTGATGAAGTTAAAGAAGGCCATGTGGTGGT---AGACTCTATCACAATCATAACGGA--AGGAGAAA
SEQ ID NO:3  09/376,770   CATTGATGAAGTCGACTCGATCTTAATAGATGAAGCTAGAACACCCTTAATTATCTCAGGTCCTGGAGAA
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   TTATAATGA--ATAAGCTACTCAATTTCGTCAG---CAGAACACTTGGTGGCGATACCGCCTTAAACATG
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   CACTGCGAACCATGAGTTGATATTTTCACAAAA---TAAGACTTCTGGGAATGCTGCAAATGGCGGAGCC
SEQ ID NO:15 09/376,770   CTCCAATAA--CCAAAATATCTTTT-TCGAT--------GGCTGCAA-------AGCAA----C-----T

                          920      930       940       950       960       970       980
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   AACAAC-----GGGGGATATGTCAGGAGGTGCTATCTGTGCTT-----------ATAAAACTAGTACAG-
SEQ ID NO:1  09/376,770   ATGCTTCAAATAAACATCCCTTACCCAAATTAAAGACCAGAAGTGGG--GCTCTTTTTTTCTCAATTAGAT
SEQ ID NO:3  09/376,770   AAACATAATCCAGTCTATTTTGAGCTTAAAGAAAAAGTCGCAAGTCTAGTGTATTTGCAAAAAGAGCTCT
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   ATCAATAAGTCCAGCGACTTAATCCTTGCTCTTTGGATGATGGGCGT--TGTCTTAATGATCATTATTCC
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   ATAAATTGCTCAGGGGACCTTACATTTACTGATAACACTTCTTTGTT--ACTTCAAGAAAATAGCACAAT
SEQ ID NO:15 09/376,770   ACAAAT-----GGCGGAGCTATT----GATTGTAACAAAGCA-------------GGGGCGAACCCAG-

                          990     1000      1010      1020      1030      1040      1050
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   ATACTAAGGTCACCCTCACTG--------GAAATCAGATGT--TAC--------TCTTCAGCAAC-----
SEQ ID NO:1  09/376,770   TTTGATGAAGACTTGAGAATTCTAGCTA-AAGAATACGACTCTGTTGAGCCTAAAGTAGAATTTTCTGAA
SEQ ID NO:3  09/376,770   GCAGCCGTATCGCATTAGAAGCACGTCGCGGCTTAGATAGCTTTTTAGATGTTGATATTCTTCCTAAAGA
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   TTTGCCTCCGCCTATCGTTGACTTGATG-ATCACCATCAACTTATCGATCTCTGTATTCTTATTGATGGT
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   GCAGGATGGTGGAGCTTTGTGTAGCACA-GGAACCATAAGCATTACCGGTAGTGATTCTATCAATGTGAT
SEQ ID NO:15 09/376,770   ACCCTATCTTGACTCTTTCAG--------GAAATGAGAGCC--TGC--------ATTTTCTGAAT-----

                          1060     1070      1080      1090      1100      1110      1120
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   ----AATACATCGACAACAGCGGGAGGAGCTATCTATGTGAAAAAGCTCGAACTGGCTTCCGGAGGACTT
SEQ ID NO:1  09/376,770   GGGAAAACTAACATAGCCCTTCACCTAATAGCTAAACCCTCAATTCGAAATATTCATATCTCAGGAAATC
SEQ ID NO:3  09/376,770   TAAAAAAGTTCTTGAAGGCATCTCTGAATTTTGCCGCAGCCTTTGGTTGGTAAGCAAAGGAATGCCTTTG
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   GGCTCTTTATATTCCAAGTGCTTTGCAGCTGTCTGTTTTTCCCTCGTTGCTCCTCATCACTACGATGTTC
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   AGGAAATACTTCAGGACAAAAAGGAGGAGCGATTTCTGCAGCTTCTCTCAAGATTTTGGGAGGGCAGGGA
SEQ ID NO:15 09/376,770   ----AACACAGCAGGAAATAGTGGAGGTGCGATTTATACCAAAAAATTGGTGTTATCCTCAGGACGAGGA

                          1130     1140      1150      1160      1170      1180      1190
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   ACCCTATTCAGTAGAAATAGTGTCAATGGAGGTACAGCTCCTAAAGGTGGAGCCATAGCTATCGAAGATA
SEQ ID NO:1  09/376,770   AAGTCGTTCCTGAACATAAAATTCTTAAAAACCCTACAAATTTACCGTAATGATCTCTTTGAACGAGAAA
SEQ ID NO:3  09/376,770   AATCGTGTGTTACGTCGTGTACGTGAGCACCCAGATCTTCGTGCTATGATCGATAAATGGGATGTTTATT
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   CGCTTGGGGATTAATATTTCCTCTTCTCGACAGATTCTCCTTAAAGCGTATGCGAGTCATGTCATTCAGG
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   GGCGCTCTCTTTTCTAATAACGTAGTGACTCATGCCACCCCTCTAGGAGGTGCCATTTTTATCAACACAG
SEQ ID NO:15 09/376,770   GGAGTGTTATTTTCTAACAACAAAGCTGCGAATGCTACTCCTAAAGGAGGGGCAATTGCGATTCTAGATT

                          1200     1210      1220      1230      1240      1250      1260
                          ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122   GTGGGGAATTGAGTTTATCCGCCGATAGTGGTGACATTGTCTTTTTAGGGAATACAGTCACTTCTACT--
SEQ ID NO:1  09/376,770   ATTTCTTAAGGGTCTTGATGATCTAAGAACGTATTATCTCAAGCGAGGATATTTCGCATCCAGTGTAGAC
SEQ ID NO:3  09/376,770   ATCATGCTGAGCAGAATAAAGAAGAGAGCCTAGAGCGTCTTTCAGAGCTCTACATTATTGTTGATGAGCA
SEQ ID NO:5  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:7  09/376,770   CCTTCGGAGACTTCGTGGTTGGAGGGAACTATGTGGTCGGGTTCATTATCTTCCTCATTATTACAATCAT
SEQ ID NO:9  09/376,770   ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770   ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770   GAGGATCCTTGCAGCTCTTCACTCAAGGAGGGGATATCGTATTCGAGGGGAATCAGGTCACTACAACAGC
SEQ ID NO:15 09/376,770   CTGGAGAGATTAGCATTTCTGCAGATCTCGGCAATATCATTTTCGAGGGCAATACTACGAGCACTACAGG
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3

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                    1270      1280      1290      1300      1310      1320      1330
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  ..AGTCCTGGGA---CGAATAGAAGTAGTATCGACTTAGGAACGAGTGCAAAGATGACAGCTTTGCGTTCT
SEQ ID NO:1 09/376,770  -TACAGTCTGGAACACAATCAAGAAAAAGGTCACATCGATGTTTTAATTAAAATCAATGAAGGTCCTTGC
SEQ ID NO:3 09/376,770  CAATAATGATTTTGAGCTTACAGATAAAGGAATGCAGCAGTGGGTTGAGTATGCTGGAGGCTCTACCGAA
SEQ ID NO:5 09/376,770  ----------------------------------------------------------------------
SEQ ID NO:7 09/376,770  TCAGTTTATCGTAGTAACTAAGGGTGCCGAGCGTGTTGCCGAAGTTGCTGCCCGATTCCGATTGGATGCG
SEQ ID NO:9 09/376,770  ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770 ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770 TCCAAATGCTACCACTAAGAGAAATGTAATTCACCTCGAGAGCACCGCGAAGTGGACGGGACTTGCTGCA
SEQ ID NO:15 09/376,770 AAGTCCTGCGAGTGTGACCAGAAATGCTATAGATCTTGCATCGAATGCAAAATTTTTAAATCTCCGAGCG


                    1340      1350      1360      1370      1380      1390      1400
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  GCTGCTGGTAGAGCCATCTACTTCTATGATCCCATAACTACAGGATCATCCACAACAGTTACAGATGCTCT
SEQ ID NO:1 09/376,770  GGGAAAATTAAACAGCTTACGTTCTCAGGAATCTCTCGATCAGAAAAATCAGATATCCAAGAATTTATTC
SEQ ID NO:3 09/376,770  GAGTTCGTGATGATGGATATGGGGCATCAGTATGCTCTTATAGAAAATGATGAGACCCTATCACCTGCAG
SEQ ID NO:5 09/376,770  ----------------------------------------------------------------------
SEQ ID NO:7 09/376,770  ATGCCAGGTAAACAGATGGCGATTGATGCGGACTTACGAGCTGGTATGATTGATGCCACACAAGCTCGTG
SEQ ID NO:9 09/376,770  ----------------------------------------------------------------------
SEQ ID NO:11 09/376,770 ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770 AGTCAAGGTAACGCTATCTATTTCTATGATCCCATTACCACCAAC--GAT-ACGGGAGCAAGCGATAACT
SEQ ID NO:15 09/376,770 ACTCGGGGAAATAAAGTTATTTTCTATGATCCTAT--C-ACGAGCTCAGGAGCTACTGATA-AGCTCTCT


                    1410      1420      1430      1440      1450      1460      1470
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  TAAAAGTTAATGAGACTCCGGCAGATTCTGC----ACTACAATATACAGGAACATCA-TCTTCACAGGA
SEQ ID NO:1 09/376,770  AAACCAAGCAGCACTCTACAACTACAAGTTGGTTTACTGGAGCCTGGACTCTATCACCCAGATATTGTTGA
SEQ ID NO:3 09/376,770  ATAAGATCAATAAAAAAAATTGCAATTTCTGAAG--AAGACACCTTAAGAAAGGCTCGTGCTCACGGATTA
SEQ ID NO:5 09/376,770  ------------------------------G----AACAAACGTTTGGGCTTCAC---TCTTGAGAAAA
SEQ ID NO:7 09/376,770  A------TAAAAGGGCTCAAATCCAAAAGGA----AAGTGAACTCTACGGAGCCATGGACGGTGCCATGA
SEQ ID NO:9 09/376,770  --------------GCTGTGATTTCTTAT-C----AAGAAATCCTACCAGAAATCCGCATCCAGCCTTTA
SEQ ID NO:11 09/376,770 ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770 TACGTATCAATGAGGTCAGTGCAAA-TC---------AAAAGCTCTCGGGATCTATAG-TATTTTCTGGA
SEQ ID NO:15 09/376,770 T-----TGAATAAAGCTGACGCAGGATCTGG----AAATACCTATGAAGGCTACATCG-TTTTCTCTGGA


                    1480      1490      1500      1510      1520      1530      1540
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  GAAAAGTTATCAGAGACAGAGGCCGCAGAT-T-CTAAAAATCTTACTTCGAAGCTACTACAGCC---TGT
SEQ ID NO:1 09/376,770  ACAAGATAGCTTGGCAATTACGAATTACCTACATAATAACGGGTACGCTGATGCTATAGTCAACTCTCAC
SEQ ID NO:3 09/376,770  CGACAGTTATTACGAGCCCAACTTCTCATGGAGCGTGATGATTATATTGTCCGCGACGATCAGATTG
SEQ ID NO:5 09/376,770  ACAAGAGCATAAGGTAATTTGCAGATAA-T-T-CCGAATATAGTCCTCTTAATCGAACCTTGGC---AAC
SEQ ID NO:7 09/376,770  AGTTCATCAAAGGAGACGTTATCGCTGGTA-T-CGTTATCTCTTTGATTAACATTGTTGGCGGTTT-GAC
SEQ ID NO:9 09/376,770  GGAAGAATTCAGATTTTCTAATTGATACGT-TGTCGCTCATAGGAGGCATATGGCAGCATCAGGAGGCAC
SEQ ID NO:11 09/376,770 ----------------------------------------------------------------------
SEQ ID NO:13 09/376,770 GAGAAGATTGTCGACAGCAGAAGCTATAG-----CTGAAAATCTTACTTCGAGGATCAACCAGCC---TGT
SEQ ID NO:15 09/376,770 GAGAAACTCTCAGAAGAGGAACTTAAGAAA-C-CTGACAAATCTGAAGTCTACATTTACACAGGC---TGT


                    1550      1560      1570      1580      1590      1600      1610
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  AACTCTTTCAGGAGGTACTCTATCTTTAAAACATGGAGTGACTCTG------CAGAGTCAGGCATTCACT
SEQ ID NO:1 09/376,770  TATGACCTTGACGACAAAGGGAATATTCTTCTTTACATGCGATATTGATCGAGGGTCGCGATATACCTTAG
SEQ ID NO:3 09/376,770  TGATTATCGATGAACATACAGGACGTCCTCAACCTGGACGACGTTTTTCTGAAGGCGTCCATCAAGCTAT
SEQ ID NO:5 09/376,770  AGCATGGGTGAAAA--AACAGAAAAGGCCACGCCGAAGCGACTTAGA-----GATGGTCGGAAAAAAGGT
SEQ ID NO:7 09/376,770  GATTGGGGTGGCTATGCACGGCATGGACCTCGCTCAAGCAGGTCACGTCTACACTCTTCTCGCATTGGA
SEQ ID NO:9 09/376,770  AGGTGGTTTAGGAGGCACTCAGGGTGTCAACCTTGCAGCTGTAGAAGCTGCAGCTGCAAAAGCAGATGCA
SEQ ID NO:11 09/376,770 ----------------------------------------------------GCTAATGCTTTAGAT
SEQ ID NO:13 09/376,770 CACTTTAGTAGAGGGGAGCTTAGTACTTAAACAGGGAGTGACCTTG------ATCACACAAGGATTCTCG
SEQ ID NO:15 09/376,770 AGAGCTTGCTGCAGGTGCCTTAGTATTGAAAGATGGAGTGACTGTA------GTTGCAAATACTATAACG


                    1620      1630      1640      1650      1660      1670      1680
                 ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  CAACAGGCAGATTCTCGTCTCGAAATGGACGTAGGA-ACTACTCTAGAACC---TGCTGATACTAGCACC
SEQ ID NO:1 09/376,770  GACACGTCCATATCCAAGGGTTTGAGGTTTTGCCAA-AACGCCTTATAGAAAGCAATCCCAAGTCGGCC
SEQ ID NO:3 09/376,770  CGAAGCTAAAGAACACGTCACTATCCGTAAGGAATCTCAGACGCTTGCTACAGTCAGGTTGCAAAATTTC
SEQ ID NO:5 09/376,770  CAAGTAGCAAAATCTCAGGATTTTCCTTCTGCGGTT-ACCTTTATCGTCTCTA-TGTTTACGGCTTTCTC
SEQ ID NO:7 09/376,770  GATGGTTTAGTCTCTCAAATTCCTTCTCTTTTGATT-GCGTTGACAGCGGGTATTGTCACGACTCGTGTA
SEQ ID NO:9 09/376,770  GCACAAGTTGTACGCAGCCAAGAAGGTTCTGAGATG-AACATGATTCAACA-ATCTCAGGACCTGACAAA
SEQ ID NO:11 09/376,770 GCTGTAAATATAAACAATGAAGATTATCCCAAAGC--ATCAGACTTCCCTAAA-CCTATCCTTGGTCAT
SEQ ID NO:13 09/376,770 CAGGAGCCAGAATGCACGCTTCTTTTTGGATCTGGGG-ACCTCATTAAAAAGCTTCTACAGAAGATATTGTC
SEQ ID NO:15 09/376,770 CAGTCGAGGGATGGAAAGTCGTTATGGATGGAGGG-ACTACTTTTGAGGCAAAGCGTGAGGGGGTCACT
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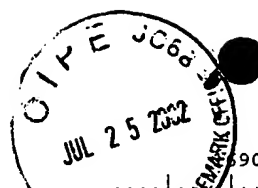
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                    690       1700      1710      1720      1730      1740      1750
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  ATAA....ATTTGGTCATTAACATCAGTTCTATAGACCGGTGCAAAGAAGGCAAAAATAGAAACCAAAGCTA
SEQ ID NO:1 09/376,770  TCCA...GATCTTTATTGCCCCGATAA----AATATGGCATGGGGCTCATAAGATCAAACAAACTTATGCAA
SEQ ID NO:3 09/376,770  TTCCGTCTATATGAAAAGCTTGCAGGGATGACCGGAACAGCAATTACAGGAGTCTCGAGAGTTTAAAGAAA
SEQ ID NO:5 09/376,770  CCTATCGACCTTTTTTTTTCAAGCA-----TTTAGGTGGCTT---TCTGGTTTCCATGCTCTCACAAGCTC
SEQ ID NO:7 09/376,770  TCGAGTGACAAAAATACGAACTTGGG----TAAAGTGAGATTTCTACTCAGCTCGTTAAAGAACCACGAGCAC
SEQ ID NO:9 09/376,770  TCCCGCAGCAGCAACACGCACGAAAA----AAAAGGAAGAGAGAAGTGTTCAAACTCTAGAATCTCGGAAAAA
SEQ ID NO:11 09/376,770 GATTAAAAAAGGATTGC-CATGCAAAACCAATACGAGCAATTACTAGAATCCTTAGCACCCCTATTAAT
SEQ ID NO:13 09/376,770 ATCACAAATTTATCTATAAATGCCGATACCATTTACGGAAAGAATCCTATCAATATTGTAGCTTCAGCAG
SEQ ID NO:15 09/376,770 CTCAATGGCCTAGCCATTAATATAGATTCCTTAGATCGGACAAATAAAGCTATCATTAAGGCGACGGCAG

                    1760      1770      1780      1790      1800      1810      1820
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  CGTCAAAAAATCTGACTTTATCTGGA------ACCATC-ACTTTATTGGACCCGACG-GGCACGTTTTAT
SEQ ID NO:1 09/376,770  AGTATGGCTACATCAATACCAATGTAGACGTTCTCTTCATCCCTCACGCAACCCGCCCTATTTATGATGT
SEQ ID NO:3 09/376,770  TTTATAATCTTTATGTCCTCCAAGTACCCACGTTCAAGCCCTTGTTACGCATAGATCATAATGATGAATT
SEQ ID NO:5 09/376,770  CCACTCGCCATGATCCTGTAATTAC-------CTTATT-TTATTTGAAGAACTGTCT-TATGCTTATT-T
SEQ ID NO:7 09/376,770  TACTCCTTGCAGGTGCTGCAACTTTAGGG---GTTGGT-TTCTTCAAGGGCTTCCCTCTATGGTCCTTCT
SEQ ID NO:9 09/376,770  GGAGAAGCTGGAAAGGCTGAGAAAAAAT---CTTGAAT-CTACAGAAGAGAAGCCTGCACACAGATCTTGC
SEQ ID NO:11 09/376,770 ACGACACTTGCTCCAGATAAAAATAACTCTTGTTTAAT-CCGTTTCAGCGATACCCA-TGTCCCTGTG-C
SEQ ID NO:13 09/376,770 CGAATAAGAACATTACCCTAACAGGA------ACCTTA-GCACTTGTAAATGCAGAT-GGAGCTTTCTAT
SEQ ID NO:15 09/376,770 CAAGTAAGGATGTTGCCTTATCAGGG------CCTATC-ATGCTTGTAGATGCTCAG-GGGAACTATTAT

                    1830      1840      1850      1860      1870      1880      1890
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  GAAA---ATCATAG--TTTAAGAAATCCTCAGTCCTACGACATCTTAGAGCTCAAA-----------GCT
SEQ ID NO:1 09/376,770  AACTTATGAGGTAAGTGAAGGGTCTCCTTATAAAGTTGGGTTAATTAAAATTACTGGGGAATACCCATACA
SEQ ID NO:3 09/376,770  TTTAT---ATGACAGAGCGTGAGAAGTACCACGCTATTGTTAATGAGATTGCGACTATTCATGGCAACGGG
SEQ ID NO:5 09/376,770  TAAC----AGCATCA--CTTCCCTTACTGGGAGCTGTTGCTGTTGTTGGCGTCATTGT--------A-GGT
SEQ ID NO:7 09/376,770  CCATTTTAGCATTAATTTTCGTTGCCTTAGGGATTCTCCTACTGACTAAGAAATCAGCGG----CA-GGA
SEQ ID NO:9 09/376,770  TGATA--AGTATGCTTCTGGGAATTCTGAAATCTCTGGTCAAGAACTTCGCGGCCTGCGT----GATGCA
SEQ ID NO:11 09/376,770 AAAT---AGAGAAG-ATGGAAATTCCGGAGATCTTG--CAGTATCGACACTACTAG-------GTACT
SEQ ID NO:13 09/376,770 GAGA----ACCATAC--CTTGCAAGACTCTCAAGACTATAGCTTTGTAAAGTTATCTCCAG----GA-GCG
SEQ ID NO:15 09/376,770 GAGC---ATCATAA--TCTTCAGTCAACAGCAGGTCTTTCCTTTAATAGAGCTTTCT----------GCA

                    1900      1910      1920      1930      1940      1950      1960
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  TCTGGAACTGTAACAAGCACCGCAGTGA--------CT------CCAGATCCTATAATGCGG------TGA
SEQ ID NO:1 09/376,770  AAATCTGACGTTATTTACACGAAACCAGT-----CTCTTCCCAGCGAGATACATTCAATCGCTTAAAGCTA
SEQ ID NO:3 09/376,770  AACCCTATTCTGTGTTGGTACAGAATCTGTAGAGGTCTCTGAGAAGCTGTCTCTGGATTTTGAGACAGAATC
SEQ ID NO:5 09/376,770  TTTCTTATCGTTGGTCCTACATTTTCTA-----CC------GAAGTTTTTAAACCAGA------TAT
SEQ ID NO:7 09/376,770  AAAAAAGGTGGTGGCTCAGGAGCTTCAA--------CAACCGTAGGGGCTGCTGGTGATGGCGCTGCTAC
SEQ ID NO:9 09/376,770  ATAGGAGACGATGCTTCTCCACAGAGACA---------TT------CTTGCTCTTGTACAAGAGAAAATTA-
SEQ ID NO:11 09/376,770 CTTCCTGAAAACGTATTTCGCGGAGCGTA--------TTTTCAAAGCTGCTCTCTCTGTAAA------TGG
SEQ ID NO:13 09/376,770 GGAGGGACTATAATTACTCAAGATGCTT--------CT------CAGAAGCCTCTTGAAGTAGCTCCTTC
SEQ ID NO:15 09/376,770 CAAGGAACGATGACTACTACAGATATCC--------CC------GATACCCCAATTCTAAA------TAC

                    1970      1980      1990      2000      2010      2020      2030
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  GAAATTCCATTACGGCTATCAGG-GAACTTGGGGCCC---AATTGTTTGGGG-----GACAGGGGCTTCT
SEQ ID NO:1 09/376,770  GAAGATACTGAGCAACGTTTAAG-AAATACACGCTACTTCCAAAGCGTTAGTGTCTATACAGTTCGTTCT
SEQ ID NO:3 09/376,770  GGATAGAGCATACTGTATTGAAT--GCTAAGAATCATGCTCAAGAAGCAGAAA-TTATAGCAGGAGCAGG
SEQ ID NO:5 09/376,770  CAAGAAGTTCAACC-CTATTCAG-AACATCAAACA------AAAGTTTAAAA-----TAAAGACTCTCAT
SEQ ID NO:7 09/376,770  TGTTGGGGATAATCCCGATGACT-ATTCTCTAACTCTTCCCGTAATTCTAGAACTTGGAAAAGATCTCTC
SEQ ID NO:9 09/376,770  -AAGACCCAGCTCTGCAATCCAC-AGCTTTGCAACTAC----CTGGTTCAAAC-----GACTCCACCCTC
SEQ ID NO:11 09/376,770 CTCGTTCCAATCCAGCATCAAGCGAATTCTAGGCTACG--GTGAGGTCACTCA--ACAGCTCTATCTTT
SEQ ID NO:13 09/376,770 TAGACCACATTATGGCTATCAAG-GACATTGGAATGTGCAAGTCATCCCAGG-----AACGGGAACTCAA
SEQ ID NO:15 09/376,770 TACGAATCACTATGGGTATCAAG-GGAACTGCGAAT------ATTGTTTGGGT-----CGACGATGCAACT

                    2040      2050      2060      2070      2080      2090      2100
                ....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122  ACGAC-----------TGCAACCTTCAA-----CTGGACTAA-AACTGGCTATATTCCTAATCCCG
SEQ ID NO:1 09/376,770  CAACTTGATCCTATGGGCAATGCGGATCAATACCGAGATATTTTTG-TAGAAGTCAAAGAAACAACAACA
SEQ ID NO:3 09/376,770  GAAATTAG--GTGCTGTGACTGTAGCTACAAATATGGCTGGTCGAGGCACAGACATCAAACTAGATAATG
SEQ ID NO:5 09/376,770  AGAGCT--------GATCAAATCGATTTTAAAAATTTTTGGAGCAG-CCTTAATTTTATACATAACGTTA
SEQ ID NO:7 09/376,770  TAAGCT-------TATCCAACACAAGACAAAATCAGGACAAAGCTT-TGTTGATGATATGATTCCTAAAA
SEQ ID NO:9 09/376,770  CCAAG-----------GTAAATTAAAA------GAAGCGCT-TATCCAAGCAAGGAATACTCATA
SEQ ID NO:11 09/376,770 CAGAT------------ATCCTGAGTGATGAA-----------C--TACCTAAATGGAGAAAAGTTATT
SEQ ID NO:13 09/376,770 CCGAGC-----------CAGGCAAATTTACA-----ATGGGTGCG-GACAGGATACCTTCCGAATCCCG
SEQ ID NO:15 09/376,770 GCAAAAA-----CAAAAAATGCTACCTTAAC-----TTGGACTAA-AACAGGATACAAGCCGAATCCAG
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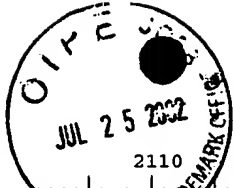
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                    2110      2120      2130      2140      2150      2160      2170
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  AGCGTA  TG  CTCTTTAGTCCCTAATAGCTTATGGAATGCATTTATAGATA-TTAGCTCT-CTCCATT
SEQ ID NO:1  09/376,770  GGAAACT AGGCTTATTCTTAGGATTTAGTTCTCTTGACAATCTTTTTGGAGGAATTGAACT-ATCTGAA
SEQ ID NO:3  09/376,770  AAGCTGTGATCGTAGGCGGTCTCCATGTGATCGGTACTACACGGCATCAATCCCGTCGAATTGATAGACA
SEQ ID NO:5  09/376,770  AAAAGC--AAAGTCTCTTTAATTATAGAAATGCAGGAGTCTCTCCTATAAT------TACT-GCTCAAA
SEQ ID NO:7  09/376,770  TGCGGC--AAGCTCTCTATCAGGATATCGGAATCCGATACCCTGGCATTCATG-TTCGCACA-GATTCCC
SEQ ID NO:9  09/376,770  CGGAGC--AATTCGGACGAACTGCTATTGGTGCGAAAAACATCTTATTTGCCT-CTC-AAGA-ATATGCA
SEQ ID NO:11 09/376,770  CG-AGT--ATCTCAAGCTCTTTTCTTTGCATGCTAAGA--TTTGGATGGAAT--CCCTAAGA-ACAGGGA
SEQ ID NO:13 09/376,770  AACGGC--AAGGATCTTTAGTTCCCAATAGCCTGTGGGGTTCTTTTGTTGATC-AGCGTGCT-ATCCAAG
SEQ ID NO:15 09/376,770  AACGTC--AGGGACCTTTGGTTCCTAATAGCCTGTGGGGTTCTTTTGTCGATG-TCCGCTCC-ATTCAGA

                    2180      2190      2200      2210      2220      2230      2240
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  ATCTTATGCGAG---ACTGCAAACGAAGGGTTGCAGGGAGACCGTGCTTTTTGTGTG--CTGGATTATCT
SEQ ID NO:1  09/376,770  AGTAATTTTGATCTATTTGGAGCTAGAAATATATTTTCTAAAGGTTTTCGTTGTCTA-AGAGGCGGTGGA
SEQ ID NO:3  09/376,770  GTTGCGTGCGCGTTGTGCTCGTTTAGGAGACCCTGGCGCTGCGAAATTCTTTTTATCTTTTTGAAGATCGG
SEQ ID NO:5  09/376,770  TCTTCAAAGAAA--TTTTTTTATAAAGCAGTAACCTCGATAGGAATTTTCTTTTTGATTGTTCGATTCTT
SEQ ID NO:7  09/376,770  CTTCTTTAGAAG--GATACGATTATATGATTCTGCTTAATGAAGTCCCTTATGTGCGAGGAAAAATTCCT
SEQ ID NO:9  09/376,770  GACCAACTGAAT--GTTTCTCCTTCAGGGCTTCGCTCTTTGTA--CTTAGAACTGA---CTGCAGCACCA
SEQ ID NO:11 09/376,770  ATCTTCCTGACC--TTCATGTTTTGGGAATCTACTACGTCGCG----TGAATGTTT---TAAAATACACA
SEQ ID NO:13 09/376,770  AAATCATGCTAA--ATAGTAGCCAAATCTTTATGTCAGGAACGGGGAGTCTGGCGAG---CTGGAATTGCT
SEQ ID NO:15 09/376,770  GCCTCATGCGACC--GGAGCACAAGTTCGTTATCTTCGTCAACAAATTTGTGGCTAT---CAGGAATCGCG

                    2250      2260      2270      2280      2290      2300      2310
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  A-ACTTCTTCCATAAGGATAGTACAAAAACACGA-----CGCGGGTTTC---GCCATTTGAGTGGCGGT-
SEQ ID NO:1  09/376,770  GAACATCTATTCTTAAAAGCCAACTTCGGGGACA-----AAGTCACAGACTATACTTTGAAGTGGACCAA
SEQ ID NO:3  09/376,770  CTGATGCGACTATTCGCCTCCCCTAAATTGAATACCCTTATCCGTCATTTTCGTCCTCCAGAAGGACAGG
SEQ ID NO:5  09/376,770  G-ACCTTGTCTATCAGCGCC--ACAATTTCGCTA----AAGAATTAAA---CATGGAGAGCTTTGAG--
SEQ ID NO:7  09/376,770  CCGCACCATGTGTTAAC-CA--ATGAGGTGG-AG-----GACAATCTCA---GCCGTTATAATCTACCT-
SEQ ID NO:9  09/376,770  C-ATACCTGTGATCAGCTACTTTCTATGCTTCAA----GACCGCTATA---CCTACCAAGATATGGCT-
SEQ ID NO:11 09/376,770  AAACACTCACCCTCAGC-----AC-ATGCTTGGA----AACTTATAGGAACCTCTCCTAAACACGGGA-
SEQ ID NO:13 09/376,770  A-ATTTCCTACATAGAGAT---AAAATTAATGAG-----CACGGCTATC---GCCATAGCGGTGTCGGT-
SEQ ID NO:15 09/376,770  G-ACTTTTTGCATGAAGATCAGAAAGGAAACCAA-----CGTAGTTATC---GTCATTCTAGCGCGGGT-

                    2320      2330      2340      2350      2360      2370      2380
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  ------TT--ATGTCATAGGAGGAAACCTACATACTT--GTTCAGATAAGATTCTTAGTGCTCCATTTTGT
SEQ ID NO:1  09/376,770  ACCTCATTTTCTAAACACTCCTTGGATTTTAGGAATTGAATTAGATAAATCAATTAACAGACCATTATCT
SEQ ID NO:3  09/376,770  CGATGTCGGACCCATGTTTAATAGACTCATAGAAACAGCACAGAAACGTGTCGAAGGGGAGAAACTATAC
SEQ ID NO:5  09/376,770  ---------GTTAAGCAGGAGTTTAAAGACACGGA-------AGGAAATCCTGAGATTAAAGGCCGTCGT
SEQ ID NO:7  09/376,770  ------TTCATTACCTATAAG---AATGCTGCGGGT--CT--TCCTTCTGCTTGGGTTAGTGAAGAT-GC
SEQ ID NO:9  09/376,770  ------ATTGTCAGCTCCTTTCT-AATGAAAGGAAT--GGCCAACAGAATTAAAAAGGCAGGGTCCCT-AC
SEQ ID NO:11 09/376,770  ------TTTATCTCCCACTATTTTCAATACACACAA--A-----------------------------
SEQ ID NO:13 09/376,770  ------T--ATCTTGTGGGAGTTGGCACTCATGCTT--TTTCTGATGCTACGATAAATGCGCTTTTTGC
SEQ ID NO:15 09/376,770  ------T--ATGCATTAGGAGGAGGATTCTTCACGG--CTTCTGAAAATTTCTTTAATTTTGCTTTTTGT

                    2390      2400      2410      2420      2430      2440      2450
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  CAGCTCTTTGGAAGAGATAGAGACTACT-TTGTAGCTAAGAATCAAG-GTACAGTCT--ACGGAGGAAC-
SEQ ID NO:1  09/376,770  AAAGATTATGCTGTCCAAACCTATGGCGGGAACGTCAGCACAACGTATATCTTGAACGAACACCTGAAAT
SEQ ID NO:3  09/376,770  TATCCGTAAGCATACCTTAGAGTATGATGATGTCATGAATAAGCAGAGACAAGCGATATACGCTTTCCGC
SEQ ID NO:5  09/376,770  CGACAAATTGCTCAAGCAAATTGCCTA---TGAAGACTCGTCATCACA-G-GTGAAAC--ATGCAAGCAC
SEQ ID NO:7  09/376,770  AAAAGCTATTCTAGACAAGGCACCAAT--TAAATATTGGACGCCGCTCGAAGTGATC--ATTCTCCATCT
SEQ ID NO:9  09/376,770  GTACCCATGCGCAACTACAAGTTC----TCATGACAGAAACTCGTAACCTGCAAGC--AGTTCTTACC-
SEQ ID NO:11 09/376,770  -------------------------------------------------------------------
SEQ ID NO:13 09/376,770  CAGCTCTTCAGTAGAGATAAAGACTACG-TAGTATCCAAAAATCATG-GAACTAGCT--ACTCAGGGGTC
SEQ ID NO:15 09/376,770  CAGCTTTTTGGCTACGACAAGGACCATC-TTGTGGCTAAGAACCATA-CCCATGTAT--ATGCAGGGGC-

                    2460      2470      2480      2490      2500      2510      2520
                ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122  -TCTCTATTACCAGCACAACGAAACCTATATCTCTCTTCC--TTGCAAACTACGGCCTTGTTCGTTGTCT
SEQ ID NO:1  09/376,770  ACGGTCTATTTTATCGAGGAAGTCAAACGAGTTTACATGAAAAACGTAAGTTCCTCCTAGGGCCAAATAT
SEQ ID NO:3  09/376,770  CATGATGTCTTACATGCGGAATCTGTTTTCGATCTTGCAAAAGAAATTCTATGCCATGTCTCTCTGATGG
SEQ ID NO:5  09/376,770  --CGTAGTCTCTAATCCCAAAGATATTGCTGTTGCTAT----TG----GCTACATGCCTG--AAAAATAT
SEQ ID NO:7  09/376,770  TTCGTACTTTTTCCATAAAAGCTCTCAAGAGTTTTTGGGAATTCAAGAGGTACGTTCTATGATCGAATTT
SEQ ID NO:9  09/376,770  -TCGTACGATTACTTTGAAAGTCGCGTTCCTATTTTAC----TCGATAGCTTAAAAGCTG--AGGGAATC
SEQ ID NO:11 09/376,770  -------------------------------------------------------------------
SEQ ID NO:13 09/376,770  GTATTTCTTGAGGATACCCTAGAGTTTAGAAGTTCCACAGGGATTCTATACTGATAGCTCCTCAGAAGCTT
SEQ ID NO:15 09/376,770  -AATGAGTTACCGACACCTCGGAGAGTCTAAGACCCTC---------GCTAAGATTTTGTCAGGAAATT
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                             2530      2540      2550      2560      2570      2580      2590
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      TGATTTCCGACA-GAGA--TTCCTGTTCTCTTTTCAGGAA-----ACCTTAGCTACACCCATAC-----G
SEQ ID NO:1  09/376,770      AGACAGCAATAAAGGAT--TTGTCTCTGCTGCAGGTGTCAACTTGAATTACGATTCTGTAGATAGTCCTA
SEQ ID NO:3  09/376,770      TAGCATCCTTAGTGATGAGTGATCGTCAGTTCAAAGGTGGACATTGCCAAATCTTGAAGAATGGATAAC
SEQ ID NO:5  09/376,770      AAAGCACCTTG---------GATCATTGCCATGGGCATCA-----ACTTACG---AGCTAAAA-----G
SEQ ID NO:7  09/376,770      ATGGAACGTTCA-TTCC--CGGACTTAGTGAAGGAAGTCACA-AGGCTTATTCCATTGCAAAAGCTTACG
SEQ ID NO:9  09/376,770      CAAACTCCTTCT-GATC--TAAACTTTGTGAAGGTAGCTG---AGTCCTACCATAAAATCATTAACGATA
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      GCTGTAACCA---------AGTCGTCACTATAGATATGC-----AGTTGTCTTACAGCCATAG-----A
SEQ ID NO:15 09/376,770      CTGACTCCC---------TACCTTTTGTCTTCAATGCTC-----GGTTTGCTTATGGCCATAC-----C


                             2600      2610      2620      2630      2640      2650      2660
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      GATAACGAT---CTGAAAACCAAGTA-TACAACATATCCT-ACTGTTAAAG--GAAGCT---GGGGGAAT
SEQ ID NO:1  09/376,770      GAACTCCAACTACAGGGATTCGCGGGGGGGTGACTTTTGAGGTTTCTGGTT--TGGGAG---GAACTTAT
SEQ ID NO:3  09/376,770      CTCATCTTTCCCAATAGCCTTAAATATAGAAGAACTCAGACAGCTTAAAGATACAGATTCTATTGCTGAA
SEQ ID NO:5  09/376,770      GATACTTG----ATGAAGCTGAAAAG-TACGGAATTCCC-----ATTATGC-GAAAC----GTACCTTT
SEQ ID NO:7  09/376,770      GAAATCTTT--AAGAGATTGGTTCA-AGAGCAAATCTCA-----ATTA-----AAGAC----CTACGTAC
SEQ ID NO:9  09/376,770      AGTTCCCAA---CAGCATCTAAAGTAGAACGAGAAGTCCGCAATCTCATAG--GAGACG---ATGTTGAT
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      AATAATGAT---ATGAAAACCAAATA-CACGACATATCCA-GAAGCTCAGG--GATCTT---GGGCAAAT
SEQ ID NO:15 09/376,770      GACAATAAC---ATGACCACAAAGTA-CACTGGCTATTCT-CCTGTTAAGG--GAAGCT---GGGGAAAT


                             2670      2680      2690      2700      2710      2720      2730
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      GATAGTTTCGCT--TTAGAATTCGGTGGAAGAGCTCCGAT---TTGCTTAGATGAAAGTGCTCT-----A
SEQ ID NO:1  09/376,770      CATTTTACAAA---CTCTCTTTAAACAGCTCTATCTATAGAA-AACTTACGCGTAAAGGTATTT-----T
SEQ ID NO:3  09/376,770      AAGATCGCTGCTGAATTGATTCAAGAGTTTCAAGTACGCTTTGATCATATGGTAGAAGGGCTCTCCAAAG
SEQ ID NO:5  09/376,770      AGCACATCAGCT--TTTGATGAAGGGAAGGAATTAAAAT---TTATTCCAG-AA------TCT-----A
SEQ ID NO:7  09/376,770      AATCTTAGAATC--TCTGAGCGAGTGGGCGCAAACTGAGA---AAGATACAG-------TTTT-----G
SEQ ID NO:9  09/376,770      TCTGTGACCGGTGTCTTGAACTTATTCTTTTCTGCTTTACGT-CAAACGTCGTCACGCCTTTTC-----T
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      GATGTTTTTGGT--CTTGAGTTTGGAGCGACTACAT--ACTA-CTACCCTAACAGTACTTTTTT-----A
SEQ ID NO:15 09/376,770      GATGCCTTCGGT--ATAGAATGTGGAGGAGCTATCCCGGTAG-TTGCTTCAGGACGTCGGTCTT-----G


                             2740      2750      2760      2770      2780      2790      2800
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      TTTGAGCAGT-ACATGCCCTTCATG---AAATTGCAGTTTG---TCTATGCACATCAGGAAGGTTTTAAA
SEQ ID NO:1  09/376,770      GAAAATCAAAGGGGAAGCTCAATTTATTAAACCCTATAGCAA-TACTACACGCTGAAGGAGATCCTGTCAG
SEQ ID NO:3  09/376,770      CTGGAGGGGAAGAATTGGATGCATCTGCTATTTGTAGAAGTGTCGTTCGGCTGTCTGTCATGGTCATGCATAT
SEQ ID NO:5  09/376,770      CTTACGAAGCTATTGGAGAAATTCT---ACTCTATATCACT---TCACTGAATGCGCAAAATCCTAATAA
SEQ ID NO:7  09/376,770      CTTACAGAAT-ATGTACGGTCTTCTTTAAAGCTTTATATCA---GCTTCAAGTTCTCTCAAGGACAATCA
SEQ ID NO:9  09/376,770      CTTCAGCAGACAAACGTCAGCAATTAGGAGCTATGATTGCTAATGCTTTAGATGCTGTAAATATAAACAA
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      TTTGATTACT-ACTCTCCGTTTCTC---AGGCTGCAGTGCA---CCTATGCTCACCAGGAAGACTTCAAA
SEQ ID NO:15 09/376,770      GGTGGATACCCACACGCCATTTCTA---AACCTAGAGATGA---TCTATGCACATCAGAATGACTTTAAG


                             2810      2820      2830      2840      2850      2860      2870
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      G-AACAGGGAACAGAAGCTCGTGAATTTGGAA-GTAGCCGTCTTGTGAATCTTGCC---TTACCTATCGG
SEQ ID NO:1  09/376,770      TGAGCGCTTCTTCCTAGGTGGAGAGACTACAGTTCGGGGATATAAATCCTTTATTATCGGTCCAAAATAC
SEQ ID NO:3  09/376,770      T-GATGAGCAGTGGCGGATTCATCTTGTAGATATGGACTTACTACGGAGTGAAGTTGGCCTACGTACTGT
SEQ ID NO:5  09/376,770      T-AAAAATACTAACCAACCTGATCATTTATAA-TGAATAAGCTACTCAATTTCG------TCAGCAGAAC
SEQ ID NO:7  09/376,770      --GCAATTTCTGTTTATCTCTTAGATCCAGAAATTGAAGAGATGATTCGTGGAGCA--ATTAAACAGAC
SEQ ID NO:9  09/376,770      T-GAAGATTATCCCAAAGCATCAGACTTCCCT--AAACCCTATCCTTGGTCATG-----ATTAAAAAAGG
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      G-AGACAGGAGGTGAGGTTCGTCACTTTACTA-GCGGAGATCTTTTCAATTAGCA---GTTCCTATTGG
SEQ ID NO:15 09/376,770      G-AAAACGGCACAGAAGGCCGTTCTTCTTCCAAA-GTGAAGACCTCTTCAATCTAGCG---GTTCCTGTAGG


                             2880      2890      2900      2910      2920      2930      2940
                             ...|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1  09/428,122      GATCCGATTTGATAAGGAATCAGACTGCCAAGA-TGCAACGTACAATCTAACTCTTGGTTATACTGTGGA
SEQ ID NO:1  09/376,770      TCTGCTACAGAACCTCAGGGAGGACTCTCTTCGCTCCTTATTTCAGAAGAGTTTCAATACCCTCTCATCA
SEQ ID NO:3  09/376,770      AGGGCAAAAAGATCCTTTGTTAGAATTTAAACA-CGAGTCTTTCTTACTGTTTGAGAGCTTGATTCGTGA
SEQ ID NO:5  09/376,770      ACTTGGTGGCGATACCGCCTTAAACATGATCAA-TAAGTCCAGCGACTTAATCCTTGCTCTT-TGGATGA
SEQ ID NO:7  09/376,770      ATCGGCAGGTTCT--TACCTTGTCTCTAGATCC--TGATTCTGTGAACCTAATTTTAAAATCTATGAGGAA
SEQ ID NO:9  09/376,770      ATTGCCATGCAAAACCAATACGAGCAATTACTA-GAATCCTTAGCACCCC-TATTAAATACGACACTTGC
SEQ ID NO:11 09/376,770      ---------------------------------------------------------------------
SEQ ID NO:13 09/376,770      CGTGAAGTTTGAGAGATTTTCAGACTGTAAAAG-GGGATCTTATGAACTTACCCTTGCTTATGTTCCTGA
SEQ ID NO:15 09/376,770      GATAAAAATTTGA---GAAATT---CTCCGATAA-GTCTACGTATGATCTCTCCATAGCTTACGTTCCCGA
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                              2960      2970      2980      2990      3000      3010
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122   TTCTTG TTCGTAGTAACCCGACTGTACGACAACACTGCGAATTAGCGGTGATTCTTGGAAAACCTTCGG
SEQ ID NO:1 09/376,770   GACAACCTAATATTAGTGCCTTTGTATTCTTAGACTCAGGTTTTGTCGGTTTACAAGAGTATAAGATTTC
SEQ ID NO:3 09/376,770   TATTC-GTATTACGATTGCGCGGCATCTTTTCCGTCTTGAACTGACCGTAGAGCCTAATCCTCGTGTCAA
SEQ ID NO:5 09/376,770   TGGGC-GTTGTCTTAATGA-------------------------------------------------
SEQ ID NO:7 09/376,770   TACG--ATCACGCCAACACCTGCAGGAGGCCAACCACCAGTATTATTGACAGCAATTGATGTAAGAAGAT
SEQ ID NO:9 09/376,770   TCCAG-ATAAAAATAACTCTTGT---------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------
SEQ ID NO:13 09/376,770  TGTGA-TTCGCAAAGATCCCAAGAGCACGGCAACA-TT--GGCTAGTGGAGCTACGTGGAGCACCCACGG
SEQ ID NO:15 09/376,770  TGTGA-TTCGTAATGATCCAGGCTGCACGACAACTCTTATGGTTTCTGGGGATTCTTGGTCGACATGTGG

                              3020      3030      3040      3050      3060      3070      3080
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122   TACGAATTTGGCAAGACAAGCTTTAGTCCTTCGTGCAGGGAACCATTTTTGCTTTAACTCAAATTTTGAA
SEQ ID NO:1 09/376,770   GTTAAAAGATCTACGTAGTAGTGCTGGATTTGGTCTGCGCTTCGATGTAATGAATAATGTTCCTGTTATG
SEQ ID NO:3 09/376,770   CAACGTGATTCCTACTGTAGCTACGTCTTTTCATAATAATGTGAATTACGGTCCGTTAGAGTTGACTGTA
SEQ ID NO:5 09/376,770   --------------------------------------------------------------------
SEQ ID NO:7 09/376,770   ATGTACGAAAATTAATAGAAACAGAATTCCCTGACATTGCTGTGATTTCTTATCAAGAAATCCTACCAGA
SEQ ID NO:9 09/376,770   --------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------
SEQ ID NO:13 09/376,770  AAACAATCTCTCCAGACAAGGATTACAACTGCGTTTAGGGAACCACTGTCTCATAAATCCTGGAATTGAG
SEQ ID NO:15 09/376,770  TACAAGCTTGTCTAGACAAGCTCTTCTTGTACGTGCTGGAAATCATCATGCCTTTGCTTCAAACTTTGAA

                              3090      3100      3110      3120      3130      3140      3150
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122   GCCTTTAGCCAATTTTCTTTTGAATTGCGTGGGTCATCTCGCAATTACAATGTAGACTTAGGAGCAAAAT
SEQ ID NO:1 09/376,770   TTAGGATTTGGTTGGCCCTTCCGTCCAACCGAGACTTTGAATGGAGAAAAAATTGATGTATCTCAGCGAT
SEQ ID NO:3 09/376,770   GTTACAGATTCTGAAGATCAAGATTAAGAAATAACCTAGAAGGAGGAGTCCTTCTAGGTATTTGTTTCAC
SEQ ID NO:5 09/376,770   --------------------------------------------------------------------
SEQ ID NO:7 09/376,770   AATCCGCATCCAGCCTTTAGGAAGAATTCAGATTTTCTAATTGATACGTTGTCGCTCATAGGAGGCATAT
SEQ ID NO:9 09/376,770   --------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------
SEQ ID NO:13 09/376,770  GTGTTCAGTCACGGAGCTATTGAATTGCGGGGATCCTCTCGTAATTATAACATCAATCTCGGGGGTAAAT
SEQ ID NO:15 09/376,770  GTTTTCAGTCAGTTTGAAGTCGAGTTGCGAGGTTCTTCTCGTAGCTATGCTATCGATCTTGGAGGAAGAT

                              3160      3170      3180      3190      3200      3210      3220
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122   ACCAATTCTAATGCGTTAGCTTTGGTAAAGAGCTCCATACATCGAAGGGAAAAGAGCT---TTT---AAG
SEQ ID NO:1 09/376,770   TCTTCTTTGCTTTAGGGGGCATGTTCTAAGATATAAATTAAGGACTTATCGAAGGAAATCTTTGTTGTTT
SEQ ID NO:3 09/376,770   AGGCTACATAGTTTTTATTTTTAAATAAATGGGGTCCATTCTGACCAAACTTGGTCATT--ATAGTAGCG
SEQ ID NO:5 09/376,770   --------------------------------------------------------------------
SEQ ID NO:7 09/376,770   GGCAGCATCAGGAGGCACAGGTGGTTTAGGAGGCACTCAGGGTGTCAACCTTGCAGCTGTAGAAGCTGCA
SEQ ID NO:9 09/376,770   --------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------
SEQ ID NO:13 09/376,770  ACCGATTTTAATAGGGAACTGAGAGTTCCTTATTGTAGAGAGTATTTACAAGGATTTTGAGACGAAAGAG
SEQ ID NO:15 09/376,770  TCGGATTTTAATCC--TAAGTTTTCCAACGAGATAGCATCAGGGTAAGCCAGGGCTCT---ATGTAAGAG

                              3230      3240      3250      3260      3270      3280      3290
                 ....|....|....|....|....|....|....|....|....|....|....|....|....|....|
SEQ ID NO:1 09/428,122   ATTTCTTGA---AGGCTCTTTTCGATT---TCGATTTCCATTTTAGTGTTTTGCTAAAACACTTTC----
SEQ ID NO:1 09/376,770   TCAGAAAAGGCTTTTGGTACCCTTTTTCCTATACCCAAAGTTAGT------------------------
SEQ ID NO:3 09/376,770   AATCCAGAATTTTCTGCGATTGCCGGCTATGAGGAACTGGGCATAGTGGCTCAGTGTATTGTTTGCTATA
SEQ ID NO:5 09/376,770   --------------------------------------------------------------------
SEQ ID NO:7 09/376,770   GCTGCAAAAGCAGATGC---------------------------------------------------
SEQ ID NO:9 09/376,770   --------------------------------------------------------------------
SEQ ID NO:11 09/376,770  --------------------------------------------------------------------
SEQ ID NO:13 09/376,770  ATTTCTTGTTGTAGGTATCTCTCCACAGGGTCTAGTTCAATTTCTATAGTTCA----------------
SEQ ID NO:15 09/376,770  ATTTCATAG---AGCCCTCTCTTTGTC---TTGCTTTTTGTATTTTATTTTT-----------------

                 ....|.
SEQ ID NO:1 09/428,122   ------
SEQ ID NO:1 09/376,770   ------
SEQ ID NO:3 09/376,770   CAGAAA
SEQ ID NO:5 09/376,770   ------
SEQ ID NO:7 09/376,770   ------
SEQ ID NO:9 09/376,770   ------
SEQ ID NO:11 09/376,770  ------
SEQ ID NO:13 09/376,770  ------
SEQ ID NO:15 09/376,770  ------
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